

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application. Please cancel claims 1-31 and 39-54 without prejudice or disclaimer of the claimed subject matter.

1-31. (cancelled)

32. (currently amended) A computer system comprising:

- (a) a database containing information ~~identifying~~ **concerning** the expression level in benign prostatic hyperplasia (BPH) tissue or cells of a set of **nucleic acid molecules, wherein said set comprises at least ten different nucleic acid molecules corresponding to SEQ ID NOS 1-1124** ~~genes comprising at least two genes in Tables 1-6;~~ and
- (b) **software that allows** a user interface to **compare data from a sample to the information in the database** ~~view said the information.~~

33. (currently amended) A computer system of claim 32, wherein the set of **nucleic acid molecules** ~~genes~~ comprises at least ~~two genes~~ **ten different nucleic acid molecules** in Table 5.

34. (currently amended) A computer system of claim 32, wherein the database further comprises sequence information for **said nucleic acid molecules** ~~the genes~~.

35. (currently amended) A computer system of claim 32, wherein the database further comprises information ~~identifying~~ **concerning** the expression level for the set of **nucleic acid molecules** ~~genes~~ in normal prostate tissue or cells.

36. (currently amended) A computer system of claim 32, wherein the database further comprises information ~~identifying~~ **concerning** the expression level of the set of **nucleic acid molecules** ~~genes~~ in prostate cancer tissue or cells.

37. (currently amended) A computer system of claim 32, further comprising records including ~~descriptive~~ information from an external database, which information correlates said nucleic acid molecules genes to records in the external database.

38. (originally presented) A computer system of claim 37, wherein the external database is GenBank.

39-54 (cancelled)

55. (new) A computer system of claim 32, wherein said set comprises at least 50 different nucleic acid molecules corresponding to SEQ ID NOS 1-1124.

56. (new) A computer system of claim 32, wherein said set comprises at least 70 different nucleic acid molecules corresponding to SEQ ID NOS 1-1124.